ChemRisk/Shonka Research Associates, Inc., Document Request Form

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T. Lamb / 1034A  Requestor Document Center (is requested to provide the following document Center)
Date of request 5 396 Expected receipt of document 6/3
Document number none KCL-745  Date of document M95k 6 151
Title and author (if document is unnumbered)  barton, J.C. K-1004J Filter Change.
(This section to be completed by Document Center)
Date request received
Date submitted to ADC
Date submitted to HSA Coordinator
(This section to be completed by HSA Coordinator)
Date submitted to CICO
Date received from CICO
Date submitted to ChemRisk/Shonka and DOE 428/96
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In Magic #2932

## TYTER-COMPANY CORRESPONDENCE

CARBIDE AND CARBON CHEMICALS DIVISION Union Carbide and Carbon Corporation

Post Office Box P LOCATION OAK RIDGE, TENN.

TO

Mr. D. M. Lang Building K-1004-D

DATE

June 1. 1950

ANSWERING LETTER DATE

LOCATION

ATTENTION COPY TO

Mr. J. C. Barton K25RC

SUBJECT

K-1004-J Filter Change.

Dr. H. A. Bernhardt

Mr. N. Gerber Dr. F. W. Hurd

Mr. C. A. Kienberger

Attn: Mr. S. A. Kingsbury

Mr. W. J. Wilcox

K/CR-745

The outlet filter on the K-1004-J exhaust system was replaced April 14, 1950 after approximately twenty months service. This filter, constructed of forty Edgewood Arsenal filter squares arranged in eight vertical rows, was plugged to an extent which did not permit satisfactory hood face velocities.

Figure 1 shows an accumulation of dust particles on two typical squares on the upstream side of the filter. Figure 2 shows that the downstream side of the filter was virtually free from all dust. Figure 3 lists radiation measurements made by the Laboratory Radiation Detection Unit during the filter change. The maximum concentration of activity was found on the second vertical row of filters from the right on the upstream side of the filter. This row was almost directly opposite to the duct leading from the building into the filter housing. No appreciable radioactivity was found in the filter housing downstream side of the filter.

Disposal of the contaminated filter was made by burial at ORNL in a specially designed casket.

JCB/p

This document has been reviewed for classification and has been determined to

be UNDLASSIFIED.

This document has been approved for release

to the public by:

Technical Information Officer

Oak Ridge K-25 Site

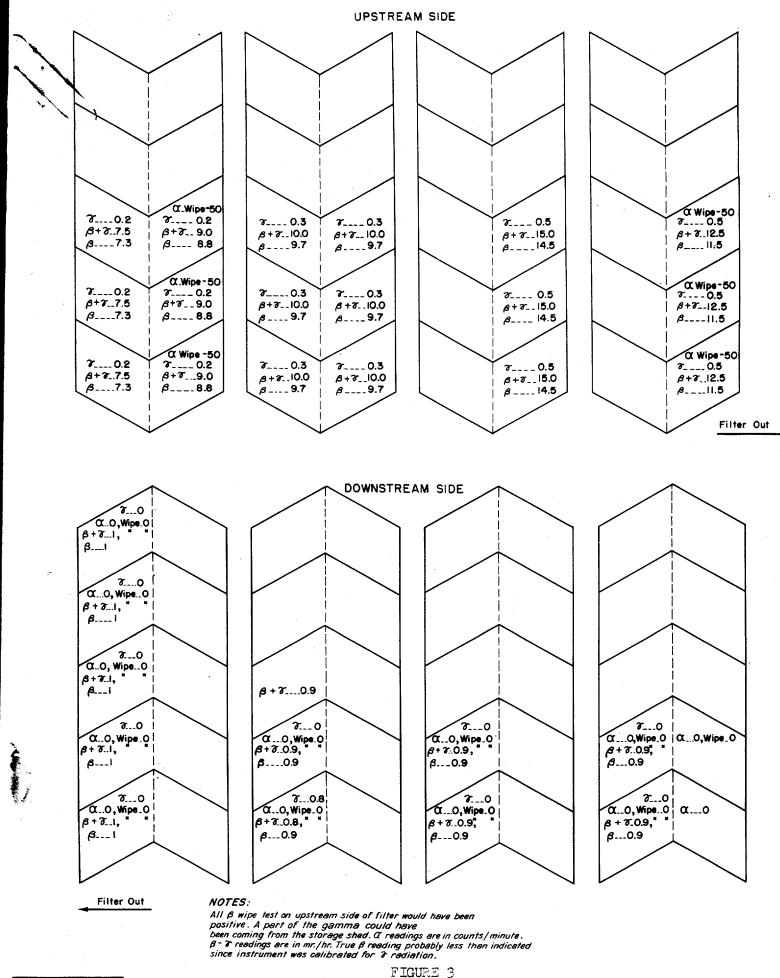
Union Carbide and Carbon Corporation, operating contractor for the U.S. Atomic Energy Commission.

16-760-74 (K-25/LMES) (Authorized Declassifier's name and organization) Hans (N. M. C. (Document identification verified by) Hanton Person making change) by authority of:

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LDP-D-840

## ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)
T. Lamb / 1034 A  Requestor Document Center (is requested to provide the following document)
Date of request Yalan Expected receipt of document 6/3/9
Document number KOF-602 Date of document 6/23/56
Title and author (if document is unnumbered)
(This section to be completed by Document Center)
Date request received
Date submitted to ADC
Date submitted to HSA Coordinator
(This section to be completed by HSA Coordinator)
Date submitted to CICO5/21/96
Date received from CICO
Date received from CICO
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Date document received
Signature

## INTER-COMPANY CORRESPONDENCE

NAME COMPANY

CARBIDE AND CARBON CHEMICALS DIVISION Union Carbide and Carbon Corporation

LOCATION OAK RIDGE, TENN.

Post Office Box P

TO

Mr. D. M. Lang

LOCATION

K-1004-D

June 23, 1950 DATE

ATTENTION

COPY TO

Mr. J. C. Barton

Mr. R. M. Batch

Mr. S. Cromer

Mr. N. Gerber

Dr. F. W. Hurd

Mr. C. A. Kienberger

Mr. S. A. Kingsbury

Mr. R. B. Korsmeyer

Mr. S. D. Schiffman K-25RC

Dr. F. L. Steahly (ORNL)

Dr. J. A. Swartout (ORNL)

Mr. R. W. Ulm

Mr. J. L. Waters

Mr. W. J. Wilcox, Jr.

ANSWERING LETTER DATE

subject Replacement of Filter on the

K-1004-J Radiochemical

Laboratory Exhaust System

KLI-602

This document has been reviewed for classification and has been determined to ONCLASSIFIED.

The outlet filter of the K-1004-J Radiochemical Laboratory Exhaust System, located between the laboratory and the exhaust stack, is constructed of forty, 2 ft. x 2 ft. Edgewood Arsenal filter squares arranged in eight vertical rows. After approximately twenty months service, the original filter had become plugged to the extent that satisfactory hood face velocities were unobtainable. Replacement was made April 14, 1950.

Figure 1 shows an accumulation of dust particles on two typical squares on the upstream side of the filter. Figure 2 shows that the downstream side of the filter was virtually free from all dust. Figure 3 lists radiation measurements made by the Laboratory Radiation Detection Unit during the filter change. The maximum concentration of activity was found on the second vertical row of filters from the right on the upstream side of the filter. This row was almost directly opposite to the duct leading from the building into the filter housing. No appreciable radioactivity was found in the filter housing on the downstream side of the filter.

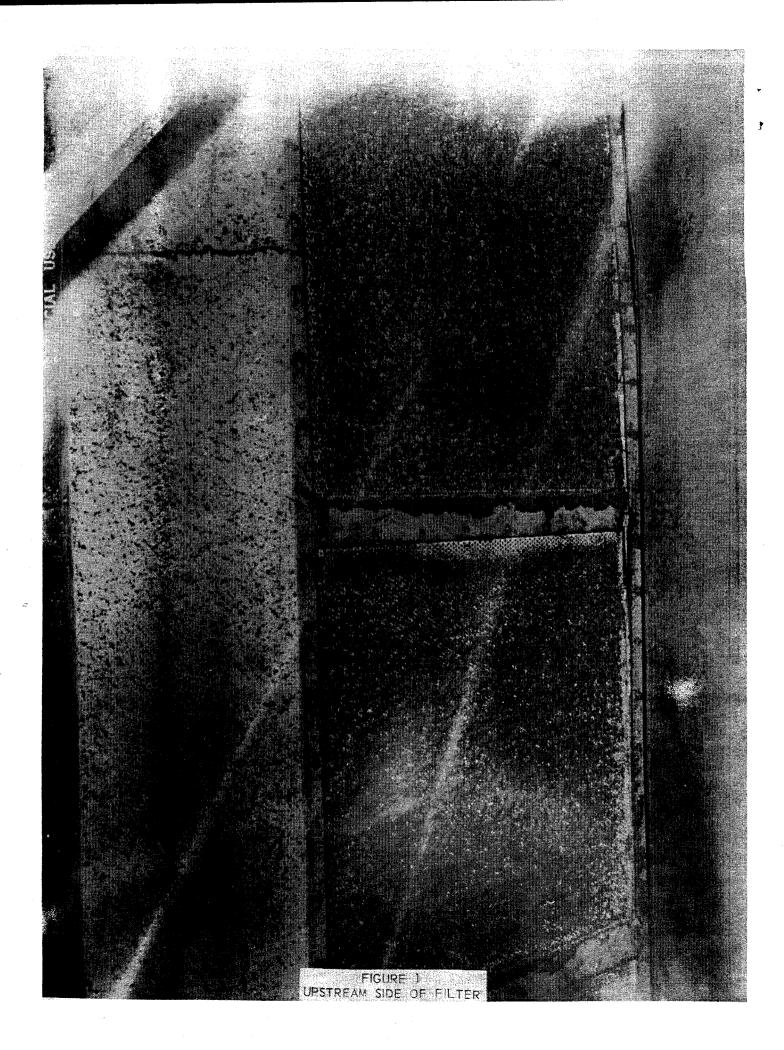
Disposal of the contaminated filter was made by burial at ORNL in a specially designed casket.

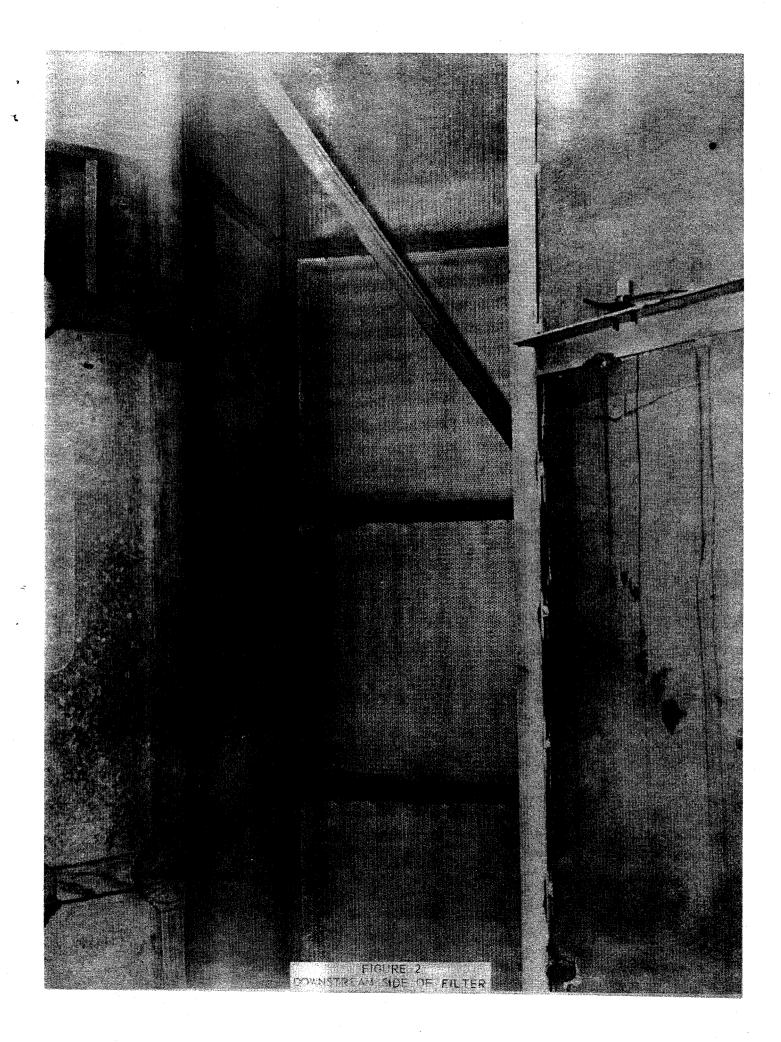
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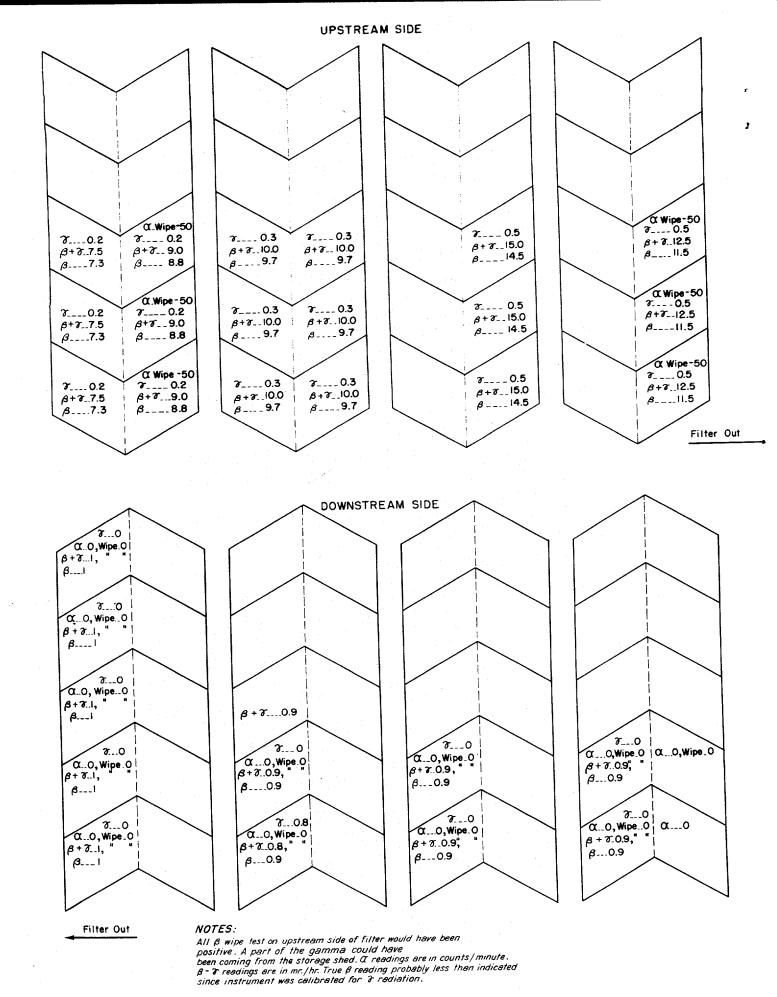
Pechnical Information Officer Oak Ridge K-25 Site

Union Carbide and Carbon Corporation, operating contractor for the U.S. Atomic Energy Commission.

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5-11-50